

SECTION 105  
CONCRETE CURING COMPOUND

105.1 GENERAL

This section shall govern the type of concrete curing compound used, in curing fresh concrete. The curing compound shall consist of a liquid which, when applied to fresh concrete by means of a spray gun, will form an impervious membrane over the exposed surfaces of the concrete.

105.2 REFERENCES

- 105.2.1 American Society for Testing and Materials (Latest Editions)(ASTM)  
C-156 Test Method for Water Retention by Concrete Curing Materials  
C-309 Specifications for Liquid Membrane - Forming Compounds for Curing Concrete  
E-97 Test Method for 45-deg., 0-deg. Directional Reflectance Factor of Opaque Specimens by Broad-Bond Filter Reflectometry

- 105.2.2 This Publication  
Section 111 Colored Portland Cement Concrete

105.3 MATERIALS

105.3.1 Curing compound shall be Type 2, White Pigmented as specified in ASTM C-309, unless modified on the plans or the Supplemental Technical Specification, or as approved by the ENGINEER.

105.3.2 When required, the curing compound manufacturer shall supply certification, to the ENGINEER that his product has been tested and complies with ASTM C-309 and for Type 2 compounds, ASTM E-97.

105.3.3 EXCEPTION: Type 2, White Pigmented curing compound shall not be used on colored concrete. The curing compound used on colored concrete shall be as specified in Section 111.

105.4 APPLICATION

The curing compound shall be applied so as to form a uniform, continuous, unbroken film over the concrete surface. The rate of application shall be per the manufacturer's recommendations but in no case greater than 250 square feet per gallon.

105.5 MEASUREMENT AND PAYMENT

No separate measurement or payment will be made for curing compound. The cost of the curing compound and its application shall be included in the cost of the work it is applied too.